Re-evaluation Note REV2018-08

Re-evaluation Project Plan for Zoxamide

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Background

In Canada, zoxamide is under re-evaluation by Health Canada's Pest Management Regulatory Agency (PMRA). The PMRA re-evaluates registered pesticides to determine whether the use of these products continues to be acceptable in terms of value, human health and the environment according to current standards.

Zoxamide is a benzamide fungicide used to control oomycete diseases (for example, late blight and downy mildew). Zoxamide is currently registered for use on grape, bulb onion and potato. It is registered for application using ground and aerial equipment.

Under the authority of section 16 of the *Pest Control Products Act*, the registrant of zoxamide was notified of the initiation of the re-evaluation of zoxamide. Following this, the registrant of the technical grade active ingredient zoxamide in Canada indicated support of all uses included on the labels of end-use products in Canada.

The re-evaluation project plan below outlines the timeline, the anticipated areas of focus for the risk assessments, and the data requirements for the re-evaluation of zoxamide.

Re-evaluation Project Plan

Anticipated Re-evaluation Timeline

The re-evaluation of zoxamide is defined as a Category 1 as described in Regulatory Directive DIR2016-04, *Management of Pesticides Re-evaluation Policy*. For this re-evaluation, 980 calendar days are required between re-evaluation initiation and publication of the proposed decision. Currently, a proposed re-evaluation decision for zoxamide is anticipated to be published for consultation by January 2020. The re-evaluation timeline may be updated if, during the risk assessment, the PMRA identifies additional areas of focus that should be considered.

Human Health Risk Assessment

New assessments will be conducted for dietary exposure. Existing assessments with minor updates are considered to be adequate to support the re-evaluation of zoxamide for the other aspects of human health assessment.

Environmental Risk Assessment

New assessments will be conducted for environmental fate, water modelling and environmental exposure.

Value

The value of zoxamide will be considered. The viability of alternatives will be examined for certain uses if risks of concern requiring mitigation are identified.

Data Requirements

The PMRA has identified the need for the technical registrant to provide data for zoxamide related to environmental toxicology and fate. Relevant data/studies were requested from the technical registrant. A summary of the data call-in is found in the PMRA's Public Registry (https://www.canada.ca/en/health-canada/services/consumer-product-safety/pesticides-pest-management/public/protecting-your-health-environment/public-registry.html). For a list of data categories that were required, see Appendix I. In addition, information regarding the registered use pattern was requested and received by the registrant, to inform the risk assessments.

Additional Information

The PMRA documents can be found in the Pesticides and Pest Management section of Canada.ca (https://www.canada.ca/en/health-canada/services/consumer-product-safety/pesticides-pest-management.html). The PMRA documents are also available through the Pest Management Information Service:

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Appendix I Data Required Under Subsection 19(1) of the *Pest Control Products Act* for the Re-evaluation of Zoxamide

Environmental Exposure Data

PMRA DACO Number	Reference
8.2.2.3	Analytical methodology for water
8.2.3.4.4	Biotransformation in Soil; Anaerobic soil, 20–30°C
8.2.3.5.6	Biotransformation in Aquatic Systems; Anaerobic aquatic sediment 20–30°C
9.2.4.2	Bee adult acute oral toxicity
9.2.4.3	Bee larvae toxicity
9.2.4.4	Bee adult chronic toxicity
9.2.5	Non-target arthropods; predators
9.2.6	Non-target arthropods; parasitoids
9.3.4	Non-target Freshwater Invertebrates; Laboratory studies with other species
9.9	Other studies/data reports